

## Notes - Working with Percents - Part 2

3 types of % problems

1. part is what percent of whole?

Ex: 5 miles is what percent of a 26.2 mile marathon?

$$\frac{\text{part}}{\text{whole}} = \frac{5}{26.2} = .1908 \Rightarrow 19.1\%$$

Ex: 10 is what % of 158 orders?

$$\frac{10}{158} = .063 \Rightarrow 6.3\%$$

2. Find \_\_\_\_% of \_\_\_\_.

Ex: Find 12.5% of \$50

$$.125(50) = 6.25$$

Find 3½% of 180.

$$.035(180) = 6.3$$

3. \_\_\_\_ is \_\_\_\_% of what number?

Ex: 20 is 35% of what number?

$$\frac{.35x}{.35} = \frac{20}{.35}$$

$$x = 57.14$$

Ex: 35 is 18% of what number?

$$\frac{.18x}{.18} = \frac{35}{.18}$$

$$x = 194.\bar{4}$$